

NAME: Human IL-1 epsilon DNA

Nucleotide sequence:

WO 00/11174

GAAAAGGATA	TAATGGATTT	GTACAACCAA	CCCGAGCCTG	TGAAGTCCTT
TCTCTTCTAC	CACAGCCAGA	GTGGCAGGAA	CTCCACCTTC	GAGTCTGTGG
CTTTCCCTGG	CTGGTTCATC	GCTGTCAGCT	CTGAAGGAGG	CTGTCCTCTC
ATCCTTACCC	AAGAACTGGG	GAAAGCCAAC	ACTACTGACT	TTGGGTTAAC
TATGCTGTTT	TAA			
(SEQ ID NO:5))			

ATGGAAAAAG	CATTGAAAAT	TGACACACCT	CAGCAGGGGA	GCATTCAGGA
TATCAATCAT	CGGGTGTGGG	TTCTTCAGGA	CCAGACGCTC	ATAGCAGTCC
CGAGGAAGGA	CCGTATGTCT	CCAGTCACTA	TTGCCTTAAT	CTCATGCCGA
CATGTGGAGA	CCCTTGAGAA	AGACAGAGGG	AACCCCATCT	ACCTGGGCCT
GAATGGACTC	AATCTCTGCC	TGATGTGTGC	TAAAGTCGGG	GACCAGCCCA
CACTGCAGCT	GAAGGAAAAG	GATATAATGG	ATTTGTACAA	CCAACCCGAG
CCTGTGAAGT	CCTTTCTCTT	CTACCACAGC	CAGAGTGGCA	GGAACTCCAC
CTTCGAGTCT	GTGGCTTTCC	CTGGCTGGTT	CATCGCTGTC	AGCTCTGAAG
GAGGCTGTCC	TCTCATCCTT	ACCCAAGAAC	TGGGGAAAGC	CAACACTACT
GACTTTGGGT	TAACTATGCT	GTTTTAA		
(SEQ ID NO:7)	•			

ATGGAAAAAG CATTGAAAAT TGACACACCT CAGCGGGGA GCATTCAGGA
TATCAATCAT CGGGTGTGGG TTCTTCAGGA CCAGACGCTC ATAGCAGTCC
CGAGGAAGGA CCGTATGTCT CCAGTCACTA TTGCCTTAAT CTCATGCCGA
CATGTGGAGA CCCTTGAGAA AGACAGAGGG AACCCCATCT ACCTGGGCCT
GAATGGACTC AATCTCTGCC TGATGTGTC TAAAGTCGGG GACCAGCCCA
CACTGCAGCT GAAGGAAAAG GATATAATGG ATTTGTACAA CCAACCCGAG
CCTGTGAAGT CCTTTCTCTT CTACCACAGC CAGAGTGGCA GGAACTCCAC
CTTCGAGTCT GTGGCTTTCC CTGGCTGGTT CATCGCTGTC AGCTCTGAAG
GAGGCTGTCC TCTCATCCTT ACCCAAGAAC TGGGGAAAGC CAACACTACT
GACTTTGGGT TAACTATGCT GTTTTAA

(SEQ ID NO:12)

FIGURE 1

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NAME: Human IL-1 epsilon polypeptide

Translation in relevant reading frame (5' 3'):

EKDIMDLYNQ PEPVKSFLFY HSQSGRNSTF ESVAFPGWFI AVSSEGGCPL ILTQELGKAN TTDFGLTMLF * (SEQ ID NO:6)

MEKALKIDTP QQGSIQDINH RVWVLQDQTL IAVPRKDRMS PVTIALISCR HVETLEKDRG NPIYLGLNGL NLCLMCAKVG DQPTLQLKEK DIMDLYNQPE PVKSFLFYHS QSGRNSTFES VAFPGWFIAV SSEGGCPLIL TQELGKANTT DFGLTMLF*
(SEQ ID NO:8)

MEKALKIDTP QRGSIQDINH RVWVLQDQTL IAVPRKDRMS PVTIALISCR HVETLEKDRG NPIYLGLNGL NLCLMCAKVG DQPTLQLKEK DIMDLYNQPE PVKSFLFYHS QSGRNSTFES VAFPGWFIAV SSEGGCPLIL TQELGKANTT DFGLTMLF*
(SEQ ID NO:13)

FIGURE 2

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form) (long epsilon mouse exon human IL-1 epsilon 3' (64% percent identity)

50 LEYHSQSGRNSTFESVAFPGWFIAVSSEGGCPL EKDIMDLYNQPEPVKSF

78 | . | | :: | | . | | | | . EGNIMEMYNKKEPVKAS 29

(SEQ ID NO: 10) 9 3 ILTQELGKANTTDFGLTML 51

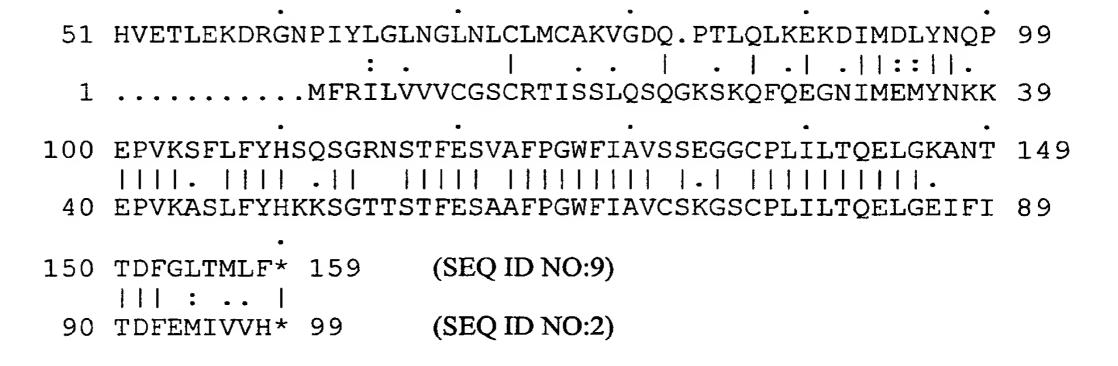
(SEQ ID NO: 11) |||||||. |. : ... ILTQELGEIFITDFEMIVV 79

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Human IL-1 epsilon (amino acids 51-159) (top) vs. Mouse IL-1 epsilon (Long Form) (bottom):



(53% similarity, 49% identity)

FIGURE 4